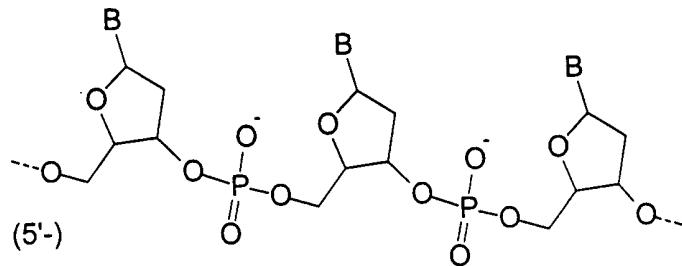
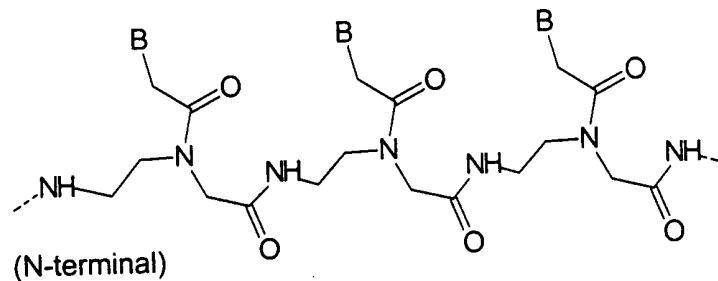


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DNA



PNA

Figure 1

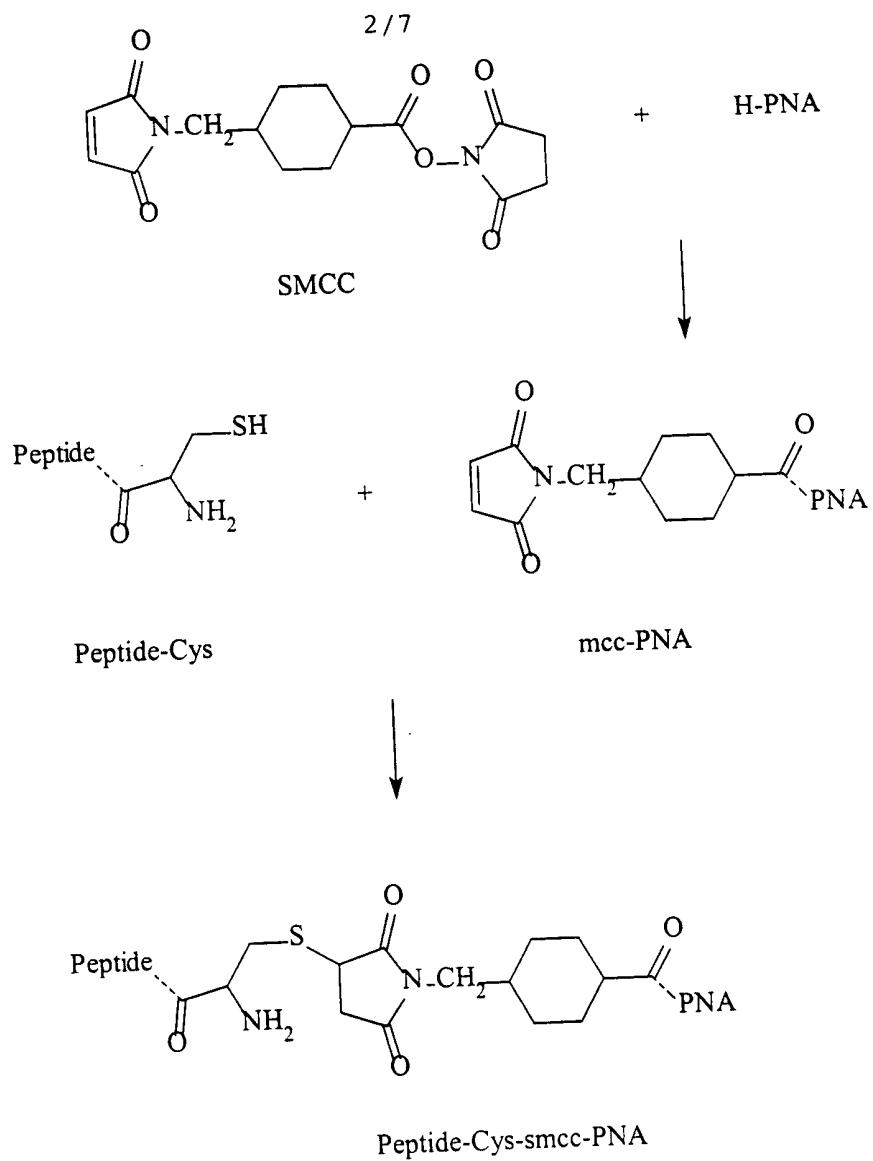


Figure 2

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1 AGATCTTAAA TGCCATTGTG ATGATCTCCT TATCACCCGT CACTCTGACG
51 GGTATATCAA TCGCTCTGGC TTGCCTTAT ACTACCGCGC GTTTGTTTAT
101 AAACTGCCCA AATGAAACTA AATGGGAAAT TTCCAGTGAA GTTCGTAAAG
151 TATTTTTGA TCCTTGCAGT CTGTTGCATT CTGCTGGAG CAGGCTCGAT
201 TTATGGCCTA TACCGCTACA TCGAGCCACA ACTGCCGGAT GTGGCGACAT
251 TAAAAGATGT TCGCCTGCAA ATTCCGATGC AGATTACAG CGCCGATGGC
301 GAGCTGATTG CTCAAATACGG TGAGAAACGT CGTATTCCGG TTACGTTGGA
351 TCAAATCCC A CCGGAGATGG TGAAAGCCTT TATCGCGACA GAAGACAGCC
401 GCTTCTACGA GCATCACGGC GTTGACCCGG TGGGGATCTT CCGTGCAGCA
451 AGCGTGGCGC TGGTCTCCGG TCACCGGTCA CAAGGGGCAA GTACCATTAC
501 CCAGCAGCTG GCGAGAAACT TCTTCCTCAG TCCAGAACGC ACGCTGATGC
551 GTAAGATTAA GGAAGTCTTC CTCGCGATT GCATTGAACA GCTGCTGACG
601 AAAGACGAGA TCCTCGAGCT TTATCTGAAC AAGATTACCG TTGGTTACCG
651 CGCCTATGGT GTCGGTGCTG CGGCACAAGT CTATTCGGA AAAACGGTCG
701 ACCAACTGAC GCTGAACGAA ATGGCGGTGA TAGCCGGGCT GCCGAAAGCG
751 CCTTCCACCT TCAACCCGCT CTACTCGATG GATCGTGCCG TCGCGCGCG
801 TAACGTCGTG CTGTCGCGGA TGCTGGATGA AGGGTATATC ACCCAACAAC
851 AGTCGATCA GACACGCCT GAGGCGATT ACGCTAACTA TCACGCGCCG
901 GAGATTGCTT TCTCTGCGCC GTACCTGAGC GAAATGGTGC GCCAGGAGAT
951 GTATAACCGT TATGGCGAAA GTGCCTATGA AGACGGTTAT CGCATTAC
1001 CCACCATCAC CCGCAAAGTG CAGCAGGCCG CGCAGCAGGC GGTACGTAAT
1051 AACGTGCTGG ACTACGACAT GCGCCACGGC TATCGCGGCC CGGCAAATGT
1101 GCTGTGGAAA GTGGCGAGT CGGCGTGGGA TAACAACAAG ATTACCGATA
1151 CGCTGAAGGC GCTGCCAAC TATGGTCCGC TGCTGCCTGC CGCAGTCACC
1201 AGCGCCAATC CTCAGCAAGC GACGGCGATG CTGGCGGACG GGTGACCGT
1251 CGCATTGAGT ATGGAAGGCG TTGCGCTGGC GCGTCCTTAC CGTTGGATA
1301 CTCAGCAAGG ACCGACGCCG CGTAAAGTGA CCGATGTTCT GCAAACGGGT

Figure 3A

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1351 CAGCAAATCT GGGTCGTCA GGTTGGCGAT GCATGGTGGC TGGCACAAGT
 1401 GCCGGAAGTG AACTCGGCGC TGGTGTGAT CAATCCGCAA AACGGTGCCG
 1451 TTATGGCGCT GGTCGGTGGC TTTGATTCA ATCAGAGCAA GTTTAACCAG
 1501 GCCACCCAGG CACTGCGTCA GGTGGGTTCC AACATCAAAC CGTTCCCTCA
 1551 CACCGCGGCG ATGGATAAAG GTCTGACGCT GGCAAGTATG TTGAACGATG
 1601 TGCCAATTTC TCGCTGGGAT GCAAGTGCCG GTTCTGACTG GCAGCCGAAG
 1651 AACTCACCAC CGCAGTATGC TGGTCCAATT CGCTTACGTC AGGGGCTGGG
 1701 TCAGTCGAAA AACGTGGTGA TGGTACGCGC AATGCGGGCG ATGGCGTCG
 1751 ACTACGCTGC AGAATATCTG CAACGCTTCG GCTTCCCGGC ACAAAACATT
 1801 GTCCACACCG AATCGCTGGC GCTGGGTCA GCGTCCTTC CCCCCAATGCA
 1851 GGTGGCGCGC GGCTACGCGG TCATGGCGAA CGGCGGCTTC CTGGTGGACC
 1901 CGTGGTTAT CAGCAAAATT GAAAACGATC AGGGCGGGGT GATTTTCGAA
 1951 GCGAAACCGA AAGTAGCCTG CCCGAATGC GATATTCCGG TGATTTACGG
 2001 TGATACGCAG AAATCGAACG TGCTGGAAAA TAACGATGTT GAAGATGTCG
 2051 CTATCTCCCG CGAGCAGCAG AATGTTCTG TACCAATGCC GCAGCTGGAG
 2101 CAGGCAAATC AGGCAGTTAGT GGCGAAGACT GGCGCGCAGG AGTACGCACC
 2151 GCACGTCATC AACACTCCGC TGGCATTCT GATTAAGAGT GCTTGAACA
 2201 CCAATATCTT TGGTGAGCCA GGCTGGCAGG GTACTGGCTG GCGTGCAGGT
 2251 CGTGATTTCAGCAGTGGCGA TATCGCGGG AAAACCGGGGA CCACTAACAG
 2301 TTCGAAAGAT GCGTGGTTCT CGGGTTACGG TCCGGCGTT GTGACCTCGG
 2351 TCTGGATTGG CTTTGATGAT CACCGTCGTA ATCTCGGTCA TACAACGGCT
 2401 TCCGGAGCGA TTAAAGATCA GATCTCAGGT TACGAAGGGCG GTGCCAAGAG
 2451 TGCCCAGCCT GCATGGGACG CTTATATGAA AGCCGTTCTT GAAGGTGTGC
 2501 CGGAGCAGCC GCTGACGCCG CCACCGGGTA TTGTGACGGT GAATATCGAT
 2551 CGCAGCAGCG GGCAGTTAGC TAATGGTGGC AACAGCCCGA AAGAGTATT
 2601 CATCGAAGGT ACGCAGCCGA CACAACAGGC AGTGCACGAG GTGGGAACGA
 2651 CCATTATCGA TAATGGCGAG GCACAGGAAT TGTTCTGA

Figure 3B

1 TGCTGGTCGC AGAGAGTCTG TACCGGGCGT GGAGCATCAC CACCAACCAT
 51 CCTTATCACC GTGAGTGATA AGGGAGCTT GAGTAGAAAA CGCAGCGGAT
 101 GAAACTACAG AACTCTTTTC GCGACTATAC GGCAGAGTCC GCGCTGTTG
 151 TCGGCCGGGC GCTGGTCGCC TTTTGGGGA TTTGCTGCT GACCGGGGTG
 201 CTTATCGCCA ACCTGTATAA TCTGCAAATT GTTCGCTTTA CCGACTACCA
 251 GACCCGCTCT AATGAAAACC GCATTAAGCT GGTGCCTATC GCGCCCAGCC
 301 GCGGCATTAT CTACGATCGT AACGGTATCC CTCTGGCCCT CAACCGCACT
 351 ATCTACCAGA TAGAAATGAT GCCGGAGAAA GTCGATAACG TGCAGCAAAC
 401 GCTGGACGCT TTGCGCAGCG TGGTAGATCT GACCGATGAC GATATTGCTG
 451 CATTCCGAAA AGAGCGCGCA CGTTCACACC GTTTCACCTC TATTCCGGTG
 501 AAAACTAACCG TGACCGAAGT ACAAGTAGCT CGCTTGCCG TCAATCAGTA
 551 CCGTTTCCG GGTGTCGAAG TTAAAGGCTA TAAACGTCGT TACTATCCTT
 601 ACGGTTCGGC GTTGACCCAC GTCATCGGCT ATGTGTCGAA AATCAACGAT
 651 AAAGACGTCG AACGCCTGAA TAATGACGGC AAACTGGCCA ACTATGCGGC
 701 AACGCATGAT ATCGGTAAGC TGGGCATTGA GCGTTACTAT GAAGATGTGC
 751 TGCACGGTCA GACCGGTTAT GAAGAGGTTG AAGTTAACAA CCGTGGCGT
 801 GTTATTGCGC AGTTAAAAGA AGTACCAACG CAAGCCGGAC ACGATATTAA
 851 CCTGACGCTG GATCTCAAAC TCCAGCAATA TATTGAAACG CTGCTGGCGG
 901 GTAGCCGCGC AGCTGTGGTA GTCACCGATC CGCGTACAGG TGGGGTGCTG
 951 GCGCTGGTTT CCACGCCTAG TTATGACCCA AACTTGGTTG TTGACGGTAT
 1001 CTCCAGCAAA GATTATTCCG CCTTGTGAA CGATCCGAAT ACACCGCTGG
 1051 TGAACCGCGC CACACAGGGG GTTTATCCTC CCGCGTCTAC AGTTAAACCC
 1101 TATGTGGCGG TTTCGGCATT GAGCGCCGGG GTGATCACGC GCAATACGAC
 1151 GCTGTTGAC CCAGGCTGGT GGCAACTGCC AGGTTCGGAA AAACGTTATC
 1201 GTGACTGGAA AAAATGGGGC CACGGCGTC TGAATGTCAC AAGATCGCTG
 1251 GAAGAATCTG CGGATAACCTT CTTCTATCAG GTGGCCTACG ATATGGGGAT
 1301 CGATCGCCTC TCCGAATGGA TGGTAAATT CGGTTATGGT CATTACACCG

Figure 4A

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1351 GTATCGACCT GGCGGAAGAA CGTTCCGGCA ACATGCCTAC CCGCGAATGG
1401 AAACAGAAC GCTTTAAAAA ACCGTGGTAT CAGGGTGACA CCATTCCGGT
1451 TGGTATCGGT CAGGGTTACT GGACAGCGAC CCCAATCCAG ATGAGTAAGG
1501 CACTGATGAT CCTGATTAAT GACGGTATCG TGAAGGTTCC TCATTTGCTG
1551 ATGAGCACCG CCGAAGACGG CAAACAGGTG CCATGGGTAC AGCCGCATGA
1601 ACCGCCGTC GGGATATTTC ATTCCGGTTA CTGGGAGCTG GCGAAAGACG
1651 GTATGTACGG TGGTGTAAAC CGCCCTAACG GTACGGCGCA TAAATACTTT
1701 GCTAGCGCAC CGTACAAAAT TGCGGCAGAA TCCGGTACCG CTCAGGTCTT
1751 CGGTCTGAAA GCGAACGAAA CCTATAATGC GCACAAAATT GCCGAGCGTT
1801 TACGTGACCA CAAACTGATG ACCGCCCTTG CGCCATACAA CAATCCGCAA
1851 GTGGCTGTCG CCATGATTCT GGAGAACGGT GGTGCGGGTC CGGCGGTTGG
1901 TACACTGATG CGCCAGATCC TCGACCACAT TATGCTGGGT GATAACAACA
1951 CCGATCTGCC TGCAGGGAAAAT CCAGCGGTTG CCGCAGCGGA GGACCATTAA

Figure 4B

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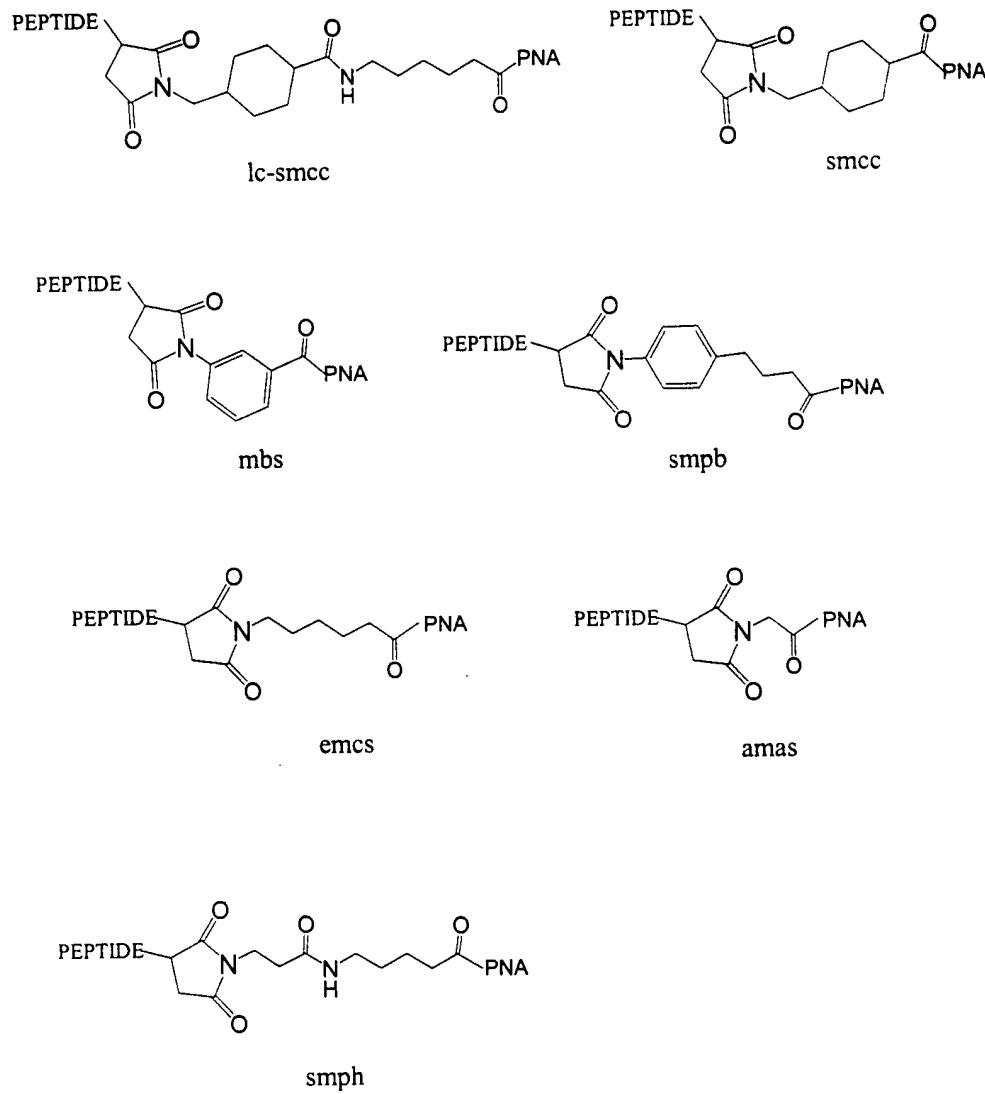


Figure 5